

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5 LEASE DESIGNATION AND SERIAL NO <b>U-025245</b>
b TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6 IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
2 NAME OF OPERATOR <b>Lone Mountain Production Company</b>		7 UNIT AGREEMENT NAME <b>San Arroyo</b>
3 ADDRESS OF OPERATOR <b>P.O. Box 3394, Billings, MT 59103</b>		8 FARM OR LEASE NAME <b>Federal</b>
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At <b>1300 ft FNL, 1666 ft FWL</b> At designed prod zone <b>Same</b>		9 WELL NO <b>Unit No. 49</b>
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>22 miles Northwest of Mack, Colorado</b>		10 FIELD AND POOL, OR WILDCAT <b>San Arroyo</b>
16 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest dril unit line if any) <b>3980 ft boundary</b>		11 SEC., T., R., W., OR NEER AND SURVEY OR AREA <b>NENW Sec 29-T16S-R26E</b>
17 NO OF ACRES IN LEASE <b>NA</b>		12 COUNTY OR PARISH <b>Grand</b>
18 DISTANCE FROM PROPOSED* TO NEAREST WELL DRILLING COMPLETION OR APPLIED FOR, ON THIS LEASE, FT <b>1610 ft (No. 28)</b>		13 STATE <b>UT</b>
19 PROPOSED DEPTH <b>4950 ft</b>		14 ROTARY OR CANYT TOOLS <b>Rotary</b>
21 ELEVATIONS (Show whether DF, RF, GR, etc.) <b>6140 ft GL, 6150 ft KB</b>		22 APPROX DATE WORK WILL START* <b>May 19, 1991</b>

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" new	32.3#, H40	300 feet	200 sx 'G' to surface
8-3/4"	7" new	17#, H40	1050 feet	125 sx "G" if needed
6-1/4"	4-1/2" new	10.5#, J55	4950 feet	175 sx 10-0 RFC

1. Surface formation is the Mesa Verde.
2. Anticipated Geologic markers are: Castlegate 900', Mancos 1000', Dakota Silt 4400', Dakota 4500', Morrison 4630'.
3. Gas is anticipated in the Dakota and Morrison. No oil or other minerals are anticipated. No water sands are expected.
4. Proposed casing program: See item no. 23 above. The 7" casing will not be run if water is not encountered above the proposed setting depth. Hole size will be reduced to 7-7/8" and 225 sx of cement will be used for the 4-1/2" casing.
5. Pressure control equipment: See Attached well control plan and schematic of contractor's BOP stack. BOP's will be tested before drilling out from under surface casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel mud will be used.

(Continued on page 2.)

14. UNLESS A Casing PROGRAM IS PROPOSED. If proposal is to deepen or plug back give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

21  
APPROVED BY *William C Stringer* TITLE Petroleum Engineer DATE April 1, 1991  
(This space for Federal or State office use)

1. PERMIT NO. /S/ WILLIAM C STRINGER APPROVAL DATE MAY 6 1991  
APPROVED BY /S/ WILLIAM C STRINGER TITLE for Minerals DATE MAY 6 1991  
CONDITIONS OF APPROVAL IF ANY

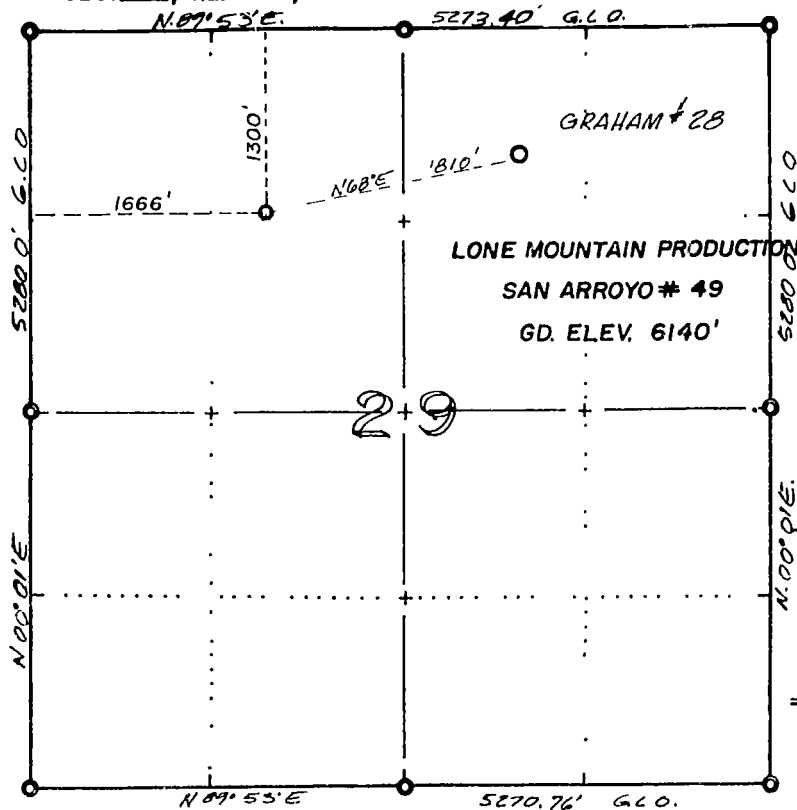
FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A OOWC...  
Dated 1/1/80

\*See Instructions C reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

DCM




PLAT # 1



### SCALE



- L E O E N D -

-  STANDARD LOCATION OF  
GLO SECTION CORNERS.  
 GLO CORNERS FOUND  
 WELL LOCATION STAKES

### REFERENCE DOCUMENTS

1924 GLO PLAT

JIM CANYON, UT  
QUADRANGLE, U.S.S.

THIS WELL LOCATION PLAT WAS PREPARED FOR: LONE MOUNTAIN PRODUCTION CO.  
TO LOCATE THE SAN ARROYO # 49, 1300' F.N.L. &  
1666' F.W. L. IN THE NE 1/4 NW 1/4, OF SECTION 29, T. 16S., R. 26E.  
OF THE S.L.M. GRAND COUNTY, UTAH

**SURVEYOR'S CERTIFICATE**

I, Larry D Becker a Registered Land Surveyor in  
the State Of UTAH Do Hereby Certify That This  
Survey Was Made Under My Direct Supervision, and  
That This Plat Represents Said Survey.

UTAH/LS # 4189

SURVEYED	10/90		ENERGY SURVEYS CORPORATION	361 PIKES PEAK DRIVE GRAND JUNCTION, CO 81503 (303) 243-7221	SCALE 1" = 1000'
DRAWN	11/90				JOB NO
CHECKED	11/90				SHEET OF

Lone Mountain Production Company  
Well No. San Arroyo Unit Federal 49  
NENW Sec. 29, T. 16 S., R. 26 E.  
Grand County, Utah  
Lease U-025245

#### CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Lone Mountain Production Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0719 (Principal - Lone Mountain Production Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

#### A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1 and Onshore Oil and Gas Order No. 2 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

1. If consolidated rock is encountered, conductor shall be set ten (10) feet into underlying bedrock with cement circulated to surface.
2. Surface casing shall have a centralizer on each of the bottom three joints.
3. A float valve above the bit shall be in place and operational during air/gas drilling.
4. BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.
5. No hexavalent chromate additives will be used in the mud system in order to protect usable quality water aquifers.

6. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
7. Daily drilling and completion progress reports shall be submitted to the Moab District Office on a weekly basis.

Company: Lone Mountain  
Well: 47, 48, & 49  
Section: 29, 30, 31, T. 16S., R. 26E.

CONDITIONS OF APPROVAL  
SURFACE USE PLAN

CONSTRUCTION:

1. During periods of wet weather when activity would result in increased erosion, in loss of soil or vegetation, or in heavy deep rutting to access routes, activity will stop. Ruts of six inches or more will be considered excessive.
2. Surface disturbance and vehicular travel will be limited to the approved locations and access roads (map #1 & plat #2).

PRODUCTION:

1. If the well is a producer, the side cast material along the access route and the fill slopes on the location will be seeded with a mixture determined by the ELI. Seeding will enhance road stabilization and erosion control.
2. Pipeline construction will be addressed separately from the drilling application either by a Summary Notice or a Rights of Way application.
3. The access will be to the design of a Class III road.

C. SURFACE USE PLAN

1. All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL AND GAS ORDER NO. 3; SITE SECURITY will be adhered to.
2. Gas measurement will be conducted in accordance with the ONSHORE ORDER NO. 5; GAS MEASUREMENT and 43 CFR 3162.7-3.
3. Oil measurement will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 4, OIL MEASUREMENT as of the effective date of August 23, 1989 and 43 CFR 3162.7-2.
4. All loading lines and valves will be placed inside the berm surrounding the tank battery.
5. All off-lease storage, off-lease measurement, or commingling on-lease of off-lease will have prior written approval from the Assistant District Manager.
6. Pipeline construction activity is not authorized under this permit.
7. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
8. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.3-6.
9. The dirt contractor will be provided with an approved copy of the surface use plan of operations.
10. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.

D. Anticipated Starting Dates and Notifications of Operations:

Required verbal notifications are summarized in Table 1, attached. Written notification in the form of Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

NOTIFICATIONS

Notify Elmer Duncan of the Grand Resource Area, at  
(801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

50 feet prior to reaching intermediate casing depth;

3 hours prior to testing BOP's and intermediate casing.

If the person at the above number cannot be reached, then notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home (801) 259-5937 (If unsuccessful, then notify one of the following people listed below).

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division.

In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-6239
Eric Jones, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours please call the following

Lynn Jackson, Chief, Branch of Fluid Minerals	Office Phone: (801) 259-6111
	Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1A. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## B. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

## 2. NAME OF OPERATOR

ZINKE &amp; TRUMBO LTD

## 3. ADDRESS OF OPERATOR

1202 EAST 33RD STREET SUITE 100 TULSA OK, 74105

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements \*)

At surface  
771 FNL, 1089 FNL, NW $\frac{1}{4}$ , NW $\frac{1}{4}$ , SEC. 21, T5S, R4W

At proposed prod. zone

SAME

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE \*

20 MILES SOUTH AND WEST OF MYTON, UTAH

## 16. DISTANCE FROM PROPOSED

LOCATION TO NEAREST  
PROPERTY OR LEASE LINK, FT.  
(Give to nearest 1/4 mile, if any)

771

## 16. NO. OF ACRES IN LEASE

640

## 17. NO. OF ACRES ASSIGNED

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2529

## 19. PROPOSED DEPTH

6200 WSTC

## 20. ROTARY OR CABLE TOOL

ROTARY

## 21. ELEVATIONS (Show whether DP, RT, GH, etc.)

6489 GR

## 22. APPROX. DATE WORK WILL START \*

MAY 1, 1991

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	90	TO SURFACE
12 1/4	8 5/8	24	500	TO SURFACE
7 7/8	5 1/5	17	T.D.	CMT TOP TO COVER THE OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.  
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE  
USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

WILLIAM A. RYAN  
3101 W. 1790 S.  
VERNAL UTAH  
801-789-3983  
801-823-6152

**RECEIVED**

APR 12 1991

DIVISION OF  
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED William A. Ryan  
WILLIAM A. RYAN

PETROLEUM-ENGINEER

DATE MARCH 28 1991

(This space for Federal or State office use)

PERMIT NO.

43-713 31316

APPROVAL DATE

APPROVED BY THE STATE

OF OIL AND MINING

OIL, GAS, AND MINING

DATE

5-2-91

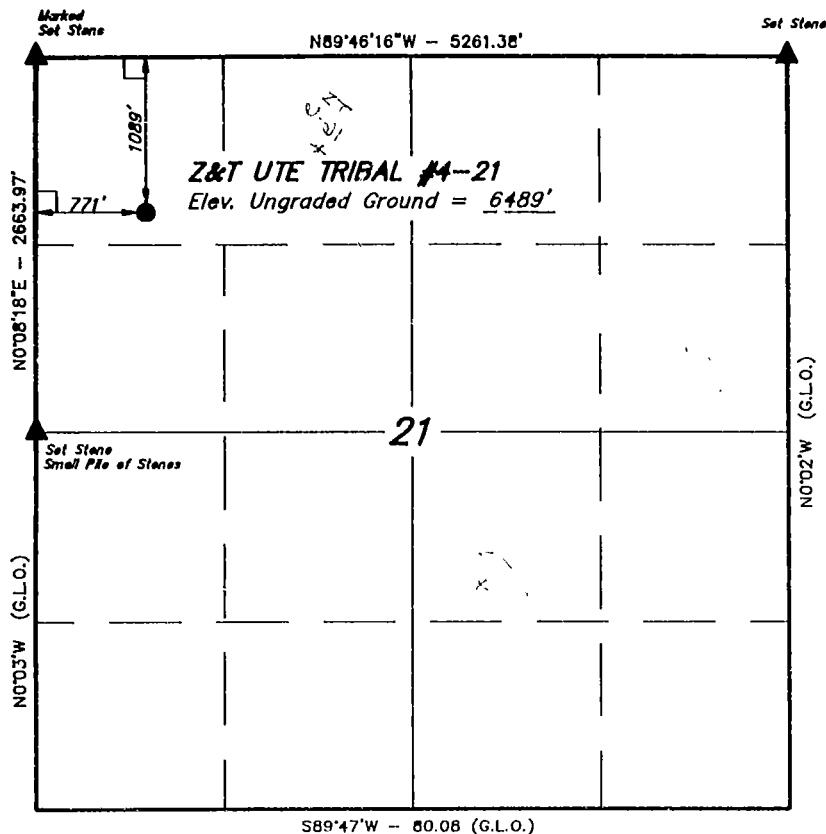
BY

W. J. MatthewsWELL SPACING: 615-3-3

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY.

**T5S, R4W, U.S.B.&M.**



▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS IS THE WEST  
LINE OF THE SW 1/4 OF SECTION 16,  
T5S, R4W, U.S.B.&M. WHICH IS  
ASSUMED FROM G.L.O. INFORMATION  
TO BEAR N0°03'W

## ZINKE & TRUMBO, LTD.

Well location, Z&T UTE TRIBAL #4-21, located  
as shown in the NW 1/4 NW 1/4 of Section 21,  
T5S, R4W, U.S.B.&M. Duchesne County, Utah.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NW 1/4 SW 1/4 OF SECTION  
21, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE  
SE QUADRANGLE, UTAH - DUCHESNE COUNTY, 7.5 MINUTE  
QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED  
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
SURVEY. SAID ELEVATION IS MARKED AS BEING 8098  
FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5708  
STATE OF UTAH

**UTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX 1758 - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-16-91
PARTY D.A. K.L. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE ZINKE & TRUMBO, LTD.

Ten Point Plan  
Zinke & Trumbo LTD.  
Z&T Ute Tribal 4-21  
NW 1/4, NW 1/4, Sec. 21, T.5 S., R.4 W.

1. Surface Formation:

Uintah

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	6489' GL.
Green River	1271'	5218'
Oil Shale	2479'	4010'
X Marker	4312'	2170'
Black Shale	5095'	1394'
Castle Peak Lime	5399'	1090'
Green River Lime	5815'	674'
Wasatch	5981'	508'
T.D.	6200'	289'

3. Producing Formation Depth:

Formation objective include the Green River and the Wasatch.

4. Proposed Casing Program:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Casing Weight/Ft.</u>	<u>Casing Grade</u>	<u>Casing Coupling</u>	<u>Setting Depth</u>	<u>Casing New/Used</u>
17 1/2	13 3/8	48	H-40	ST&C	90	NEW
12 1/4	8 5/8	24	J-55	ST&C	500	NEW
7 7/8	5 1/2	17	J-55	ST&C	T.D.	Used

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure is less than 2500 psi.

A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8-5/8" surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in "On Shore Order #2". The BOPs will be mechanically checked daily during drilling operations.

6. Mud Program:

<u>Interval</u>	<u>Mud Weight</u> <u>lbs./gal.</u>	<u>Viscosity</u> <u>Sec./Qt.</u>	<u>Fluid Loss</u> <u>Ml/30 Mins.</u>	<u>Mud Type</u>
0-500'	Clear Water	----	No Control	Water/Gel
500-T.D.	8.8	30	No Control	5% KCL L.S.N.D.

7. Auxiliary Equipment:

Upper Kelly cock, full opening stabbing valve, 2 1/2" Choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 500' to T.D.
- d) Logging: 

Type	<u>Interval</u>
DLL/SFI W/GR and SP	T.D. to surf. csg.
FDC/CNL W/GR and CAL	"

9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows may be anticipated in the Green River and Wasatch Formations.

10. Drilling Schedule:

The anticipated starting date is May 1, 1991. Duration of operations is expected to be around 15 days.

ZINKE & TRUMBO LTD.  
13 POINT SURFACE USE PLAN  
FOR  
WELL LOCATION  
Z&T UTE TRIBAL 4-21  
LOCATED IN  
N.W. 1/4, N.W. 1/4  
SECTION 21, T.5 S., R.4 W., U.S.B. & M.  
DUCHESNE COUNTY, UTAH  
LEASE NUMBER: BIA-14-20-H62-3414  
SURFACE OWNERSHIP: UTE TRIBE

## 1. EXISTING ROADS

TO REACH THE ZINKE & TRUMBO LTD. WELL, Z&T Ute Tribal 2-21 LOCATION, IN SECTION 21, T.5 S.. R.4 W., FROM MYTON, UTAH.

STARTING IN MYTON, UTAH PROCEED WEST ON US HIGHWAY 40, 8 MILES TO THE ANTELOPE CANYON ROAD. TURN SOUTH AND PROCEED 6.6 MILES TO THE SOWERS CANYON ROAD. TURN RIGHT ON THE SOWERS CANYON ROAD AND PROCEED SOUTH AND WEST 3.7 MILES. TURN SOUTH ON AN OIL FIELD ACCESS ROAD AND PROCEED SOUTH 1.5 MILES TO THE FORK IN THE ROAD. TURN RIGHT AT THE FORK IN THE ROAD AND PROCEED .75 MILES TO THE LOCATION.

THE EXISTING OIL FIELD SERVICE ROAD MAY NEED SOME SURFACE MATERIAL TO PREVENT OR REPAIR HOLES IN THE ROAD DUE TO HEAVY TRUCK TRAFFIC DURING THE DRILLING AND COMPLETION OPERATION. IF REPAIRS ARE MADE THE OPERATOR WILL SECURE SURFACING MATERIAL FROM PRIVATE SOURCES.

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

## 2. PLANNED ACCESS ROAD

THERE WILL BE APPROXIMATELY 400 FEET OF NEW ROAD CONSTRUCTION REQUIRED.

THE PROPOSED ACCESS ROAD WILL BE.

A) APPROXIMATE LENGTH	400 FT.
B) RIGHT OF WAY WIDTH	30 FT.
C) RUNNING SURFACE	18 FT.
D) SURFACING MATERIAL	NATIVE SOIL.
E) MAXIMUM GRADE	5 %
F) FENCE CROSSINGS	NONE
G) CULVERTS	NONE
H) TURNOUTS:	

ONE TRUNOUT WILL BE CONSTRUCTED AT THE INTERSECTION OF THE ACCESS ROAD AND THE MAIN EXISTING ROAD. THE TURN OUT IS REQUIRED TO ACCOMADATE WATER TRUCKS DURING THE DRILLING OPERATION AND FOR TANKERS IF THE WELL IS A PRODUCER.

I) MAJOR CUTS AND FILLS	NONE
J) PROPOSED ROAD FLAGGED	YES
K) ACCESS ROAD SURFACE OWNERSHIP	UTE TRIBE

NEWLY CONSTRUCTED ROADS WILL BE BUILT USING NATIVE SOILS FROM BORROW PITS ON EITHER OR BOTH SIDES OF THE ROAD. THE ROAD WILL BE CROWNED AND DITCHED. DITCHES WILL BE CONSTRUCTED ALONG EITHER SIDE WHERE IT IS DETERMINED NECESSARY TO HANDLE RUN-Off AND MINIMIZE THE POSSIBILITY OF EROSION.

PLEASE SEE THE ATTACHED LOCATION PLAT FOR ADDITIONAL DETAILS.

NO RIGHT OF-WAY WILL BE REQUIRED. ACCESS WILL BE VIA THE RIGHT-OF-WAY GRANTED FOR WELL 1-19 IN SECTION 19, T.5 S., R.4 W.

ALL TRAVEL WILL BE CONFINED TO EXISTING ACCESS ROAD RIGHT-OF-WAYS.

ACCESS ROADS AND SURFACE DISTURBING ACTIVITIES WILL CONFORM TO STANDARDS OUTLINED IN THE USGS PUBLICATION (1978) SURFACE OPERATION STANDARDS FOR OIL AND GAS DEVELOPMENT.

### 3. LOCATION OF EXISTING WELLS

THE FOLLOWING WELLS ARE LOCATED WITHIN A ONE MILE RADIUS OF THE LOCATION SITE.

#### A) PRODUCING WELLS:

WELL 16-16	SECTION 16, T.5 S., R.4 W.
WELL 1-20	SECTION 20, T.5 S., R.4 W.
WELL 8-21	SECTION 21, T.5 S., R.4 W.
WELL 14-15	SECTION 15, T.5 S., R.4 W.
WELL 4-22	SECTION 22, T.5 S., R.4 W.
WELL 2-21	SECTION 21, T.5 S., R.4 W.
WELL 10-12	SECTION 21, T.5 S., R.4 W.

#### B) WATER WELLS

NONE

#### C) ABANDONED WELLS:

WELL 7-20	SECTION 20, T.5 S., R.4 W.
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#### D) TEMPORARILY ABANDONED WELLS

NONE

#### E) DISPOSAL WELLS

NONE

#### F) DRILLING WELLS

NONE

#### G) SHUT IN WELLS

NONE

#### H) INJECTION WELLS

NONE

#### I) MONITORING OR OBSERVATION WELLS

NONE

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

### 4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES.

ALL PRODUCTION FACILITIES ARE TO BE CONTAINED WITHIN THE PROPOSED LOCATION SITE. PLEASE SEE THE ATTACHED PLOT PLAN FOR A TYPICAL PUMP JACK, LINE HEATER AND SEPARATOR INSTALLATION AND WELL SITE PIPING CONNECTION. THE PRODUCTION TANKS WILL BE PLACED BETWEEN POINTS 5 & 4.

ALL PERMANENT (ON SITE FOR SIX MONTHS OR LONGER) STRUCTURES CONSTRUCTED OR INSTALLED WILL BE PAINTED A DESERT BROWN COLOR. ALL FACILITIES WILL BE PAINTED WITHIN SIX MONTHS OF INSTALLATION. FACILITIES REQUIRED TO COMPLY WITH O.S.H.A. (OCCUPATIONAL SAFETY

AND HEALTH ACT) WILL BE EXCLUDED. THE REQUIRED PAINT COLOR IS DESERT BROWN (10 YR. 6/4).

THE TANK BATTERY WILL BE SURROUNDED BY A DIKE OF SUFFICIENT CAPACITY TO CONTAIN THE STORAGE CAPACITY OF THE LARGEST TANK IN THE BATTERY. THE INTEGRITY OF THE DIKE WILL BE MAINTAINED.

ALL LOAD LINES WILL BE PLACED INSIDE THE DIKE SURROUNDING THE TANK BATTERY.

ALL SITE SECURITY GUIDELINES IDENTIFIED IN 43 CFR 3162.7 REGULATION WILL BE ADHERED TO.

ALL OFF-LEASE STORAGE, OFF LEASE MEASUREMENT, OR COMMINGLING ON-LEASE OR OFF-LEASE WILL HAVE PRIOR WRITTEN APPROVAL FROM THE AUTHORIZED OFFICER.

GAS METER RUNS WILL BE LOCATED WITHIN 500' OF THE WELL HEAD. THE GAS LINE WILL BE BURIED, OR ANCHORED DOWN FROM THE WELL HEAD TO THE METER. METER RUNS WILL BE HOUSED AND/OR FENCED.

THE GAS METER WILL BE CALIBRATED AND THE TANK STRAPPED IN PLACE PRIOR TO ANY DELIVERIES. TESTS FOR METER ACCURACY WILL BE CONDUCTED MONTHLY FOR THE FIRST THREE MONTHS ON NEW METER INSTALLATIONS AND AT LEAST QUARTERLY THEREAFTER. THE AUTHORIZED OFFICER WILL BE PROVIDED WITH A DATE AND TIME FOR THE INITIAL METER CALIBRATION AND ALL FUTURE METER PROVING SCHEDULES. A COPY OF THE METER CALIBRATION REPORTS WILL BE SUBMITTED TO THE VERNAL DISTRICT OFFICE. ALL MEASUREMENT FACILITIES WILL CONFORM WITH API AND AGA STANDARDS FOR GAS AND LIQUID HYDROCARBON MEASUREMENT.

5. LOCATION AND TYPE OF WATER SUPPLY

WATER FOR THIS WELL WILL BE HAULED BY TRUCK FROM JIM NEBEKER'S (JOE SHIELDS) POND.

6. SOURCE OF CONSTRUCTION MATERIAL

ALL CONSTRUCTION MATERIAL FOR THIS LOCATION SITE AND ACCESS ROAD SHALL BE BORROW MATERIAL ACCUMULATED DURING CONSTRUCTION OF THE LOCATION SITE AND ACCESS ROAD. ADDITIONAL ROAD GRAVELS OR PIT LINING MATERIAL WILL BE OBTAINED FROM PRIVATE SOURCES.

7. METHODS FOR HANDLING WASTE DISPOSAL

A) PIT CONSTRUCTION AND LINERS:

THE RESERVE PIT WILL BE APPROXIMATELY 13 FT. DEEP AND AT LEAST ONE-HALF OF THIS DEPTH SHALL BE BELOW THE SURFACE OF THE EXISTING GROUND.



THE RESERVE PIT WILL BE LINED WITH A 12 MIL PIT LINER. THE PIT LINER WILL BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACK FILLING THE RESERVE PIT. THE RESERVE PIT WILL BE REASONABLY FREE OF HYDROCARBONS BEFORE THE PIT IS BACK FILLED.

ONE-HALF OF THE RESERVE PIT WILL BE USED AS A FRESH WATER STORAGE AREA DURING THE DRILLING OF THIS WELL AND THE OTHER ONE-HALF WILL BE USED TO STORE NON-FLAMMABLE MATERIALS SUCH AS CUTTINGS, SALTS, DRILLING FLUIDS, CHEMICALS, PRODUCED FLUIDS, ETC.

**B) PRODUCED FLUIDS:**

PRODUCED WATER WILL BE CONFINED TO THE RESERVE PIT, OR IF DEEMED NECESSARY, A STORAGE TANK FOR A PERIOD NOT TO EXCEED 90 DAYS AFTER INITIAL PRODUCTION. DURING THE 90 DAY PERIOD AN APPLICATION FOR APPROVAL FOR A PERMANENT DISPOSAL METHOD AND LOCATION WILL BE SUBMITTED TO THE AUTHORIZED OFFICER.

**C) GARBAGE:**

A TRASH CAGE FABRICATED FROM EXPANDED METAL WILL BE USED TO HOLD TRASH ON LOCATION AND WILL BE REMOVED TO AN AUTHORIZED LAND FILL LOCATION.

**D) SEWAGE:**

A PORTABLE CHEMICAL TOILET WILL BE SUPPLIED FOR HUMAN WASTE.

**E) SITE CLEAN-UP:**

AFTER THE RIG IS MOVED OUT THE AREA AROUND THE WELL SITE WILL BE CLEANED AND ALL REFUSE REMOVED.

**8. ANCILLARY FACILITIES**

THERE ARE NO ANCILLARY FACILITIES PLANNED FOR AT THIS TIME AND NONE ARE FORESEEN FOR THE FUTURE.

## 9. WELL-SITE LAYOUT

LOCATION DIMENSIONS ARE AS FOLLOW:

A) PAD LENGTH	300 FT.
B) PAD WIDTH	140 FT.
C) PIT DEPTH	13 FT.
D) PIT LENGTH	180 FT.
E) PIT WIDTH	60 FT.
F) MAX CUT	16.9 FT.
G) MAX FILL	12.9 FT.
E) TOTAL CUT YDS	10,530 CU. YDS.
F) PIT LOCATION	NORTH WEST BETWEEN POINTS 4 & 5
G) TOP SOIL LOCATION	ON THE EAST END BETWEEN POINT 6 & 8
H) ACCESS ROAD LOCATION	ON THE WEST END BETWEEN 2 & 3
I) PIT VOLUME	14100 BBLS
J) FLARE PIT	NORTH EAST BETWEEN POINTS 5 & 6

PLEASE SEE THE ATTACHED LOCATION DIAGRAM FOR ADDITIONAL DETAILS.

ALL PITS WILL BE FENCED ACCORDING TO THE FOLLOWING MINIMUM STANDARDS:

- A) 39 INCH NET WIRE SHALL BE USED WITH AT LEAST ONE STRAND OF WIRE ON TOP OF THE NET WIRE (BARBED WIRE IS NOT NECESSARY IF PIPE OR SOME TYPE OF REINFORCEMENT ROD IS ATTACHED TO THE TOP OF THE ENTIRE FENCE).
- B) THE NET WIRE SHALL BE NO MORE THAN 2 INCHES ABOVE THE GROUND. THE BARBED WIRE SHALL BE 3 INCHES ABOVE THE NET WIRE. TOTAL HEIGHT OF THE FENCE SHALL BE AT LEAST 42 INCHES.
- C) CORNER POSTS SHALL BE CEMENTED AND/OR BRACED IN SUCH A MANNER TO KEEP THE FENCE TIGHT AT ALL TIMES.
- D) STANDARD STEEL, WOOD OR PIPE POSTS SHALL BE USED BETWEEN THE CORNER BRACES. MAXIMUM DISTANCE BETWEEN ANY TWO POSTS SHALL BE NO GREATER THAN 16 FEET.
- E) ALL WIRE SHALL BE STRETCHED, BY USING A STRETCHING DEVICE, BEFORE IT IS ATTACHED TO THE CORNER POSTS.

## 10. PLANS FOR RESTORATION OF THE SURFACE

PRIOR TO CONSTRUCTION OF THE LOCATION, THE TOP 6 INCHES OF SOIL MATERIAL WILL BE STRIPPED AND STOCKPILED. THIS WILL AMOUNT TO APPROXIMATELY 1,000 CUBIC YARDS OF MATERIAL. PLACEMENT OF THE TOP SOIL IS NOTED ON THE ATTACHED LOCATION PLAN. WHEN ALL DRILLING AND COMPLETION ACTIVITIES HAVE BEEN COMPLETED THE UNUSED PORTION

OF THE LOCATION (THE AREA OUT SIDE THE DEAD MEN) WILL BE RECONTOURED AND THE TOPSOIL SPREAD OVER THE DISTURBED AREA.

THE DIRT CONTRACTOR WILL BE PROVIDED WITH AN APPROVED COPY OF THE SURFACE USE PLAN PRIOR TO CONSTRUCTION ACTIVITIES.

ANY DRAINAGE REROUTED DURING THE CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO IT'S ORIGINAL LINE OF FLOW OR AS NEAR AS POSSIBLE.

ALL DISTURBED AREAS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL COMTOURS.

PRIOR TO BACK FILLING THE PIT THE FENCES AROUND THE RESERVE PIT WILL BE REMOVED. THE PIT LINER WILL BE CUT OFF AT THE WATER OR MUD LINE AND DISPOSED OF AT AN APPROVED LAND FILL SITE. THE LINER WILL ALSO BE TORN AND PERFORATED AFTER THE PIT DRYs AND BEFORE BACK FILLING OF THE RESERVE PIT.

THE RESERVE PIT WILL BE RECLAIMED WITHIN 90 DAYS OF WELL COMPLETION. IF THE RESERVE PIT IS NOT DRY ENOUGH TO ALLOW BACK FILLING AN EXTENSION ON THE TIME REQUIREMENT FOR BACK FILLING THE PIT WILL BE REQUESTED. ONCE RECLAMATION ACTIVITIES HAVE BEGUN, THEY SHALL BE COMPLETED WITHIN 30 DAYS.

AFTER THE RESERVE PIT HAS BEEN RECLAIMED NO DEPRESSIONS IN THE SOIL COVERING THE RESERVE PIT WILL BE ALLOWED. THE OBJECTIVE IS TO KEEP SESONAL RAIN FALL AND RUN OFF FROM SEEPING INTO THE SOIL USED TO COVER THE RESERVE PIT. DIVERSION DITCHES AND WATER BARS WILL BE USED TO DIVERT RUN OFF AS NEEDED.

WHEN RESTORATION ACTIVITIES HAVE BEEN COMPLETED, THE LOCATION SITE AND NEW ACCESS ROAD CUTS AND SHOULDERS SHALL BE RESEDED. PRIOR TO RESEEDING, ALL DISTURBED AREAS, INCLUDING THE OLD ACCESS ROAD, WILL BE SCARIFIED AND LEFT WITH A ROUGH SURFACE.

A) RECOMMENDED SEED MIXTURE:

RUSSIAN RYE	6# PER ACRE.
FAIRWAY CRESTED WHEAT GRASS	6# PER ACRE.

B) SEEDING DATES:

AFTER SEPTEMBER 15, 1991 AND BEFORE THE GROUND FREEZES.

SEED WILL BE BROADCAST OR DRILLED AT THE TIME SPECIFIED BY THE BLM. IF BROADCAST, A HARROW OR SOME OTHER IMPLEMENT WILL BE DRAGGED OVER THE SEEDED AREA TO ASSURE SEED COVERAGE AND THE SEED MIXTURE WILL BE PROPORTIONATELY LARGER (DOUBLE THE LBS. PER ACRE).

AT SUCH TIME AS THE WELL IS PLUGGED AND ABANDONED THE OPERATOR WILL SUBMIT A SURFACE RECLAMATION PLAN TO THE SURFACE MANAGEMENT AGENCY FOR PRESCRIBED SEED MIXTURE AND RESEEDING REQUIREMENTS.

11. SURFACE OWNERSHIP:

THE UTE TRIBE

12. OTHER INFORMATION

A) **VEGETATION:**

THE VEGETATION COVERAGE IS SLIGHT. WITH THE MAJORITY MADE UP OF RABBIT, SAGE, AND BITTER BRUSH. ALSO FOUND ON THE LOCATION IS PRICKLY PAIR, INDIAN RICE GRASS AND YUCCA.

B) **DWELLINGS:**

THERE ARE NO OCCUPIED DWELLINGS, OR OTHER FACILITIES WITHIN A ONE MILE RADIUS OF THIS LOCATION.

C) **ARCHEOLOGY:**

THE LOCATION HAS BEEN SURVEYED AND THERE ARE NO ARCHAEOLOGICAL HISTORICAL, OR CULTURAL SITES NEAR THE PROPOSED SITE. PLEASE SEE THE ATTACHED ARCHAEOLOGICAL CLEARANCE MAP.

IF, DURING OPERATIONS, ANY ARCHAEOLOGICAL OR HISTORICAL SITES, OR ANY OBJECTS OF ANTIQUITY (SUBJECT TO THE ANTIQUITIES ACT OF JUNE 8, 1906) ARE DISCOVERED, ALL OPERATIONS WHICH WOULD AFFECT SUCH SITES ARE TO BE SUSPENDED AND THE DISCOVERY REPORTED PROMPTLY TO THE SURFACE MANAGEMENT AGENCY.

D) **WATER:**

THE NEAREST WATER IS IN THE BOTTOM OF SOWERS CANYON 1.5 MILES TO THE NORTH.

E) **WOOD:**

A WOOD PERMIT WILL NOT BE REQUIRED FOR THIS LOCATION.

F) **SIGNS:**

THE APPROPRIATE SIGNS HAVE BEEN POSTED OR WILL BE WHEN CONSTRUCTION ACTIVITIES START.

F) **CHEMICALS:**

NO PESTICIDES, HERBICIDES OR OTHER POSSIBLE HAZARDOUS CHEMICALS SHALL BE USED WITHOUT PRIOR APPLICATION.

**G) NOTIFICATION:**

- a) BLM, VERNAL UT  
RALPH BROWN  
(801-789-1362)  
24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION.  
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.
- b) BIA, FT. DUCHESNE UT  
ROLAND MCCOOK  
(801-722-2406)  
24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION.  
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.
- c) UTE TRIBE, MINERALS DIVISION, FT. DUCHESNE  
FERRON SECAKUKU  
(801-722-4992)  
24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION.  
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

**H) FLARE PIT:**

THE FLARE PIT WILL BE LOCATED A MINIMUM OF 30 FEET FROM THE RESERVE PIT FENCE AND 100 FEET FROM THE BORE HOLE ON THE NORTH EAST SIDE OF THE LOCATION, BETWEEN POINTS 5 AND 6 ON THE LOCATION PLAT. ALL FLUIDS WILL BE REMOVED FROM THE PIT WITHIN 48 HOURS OF OCCURRENCE.

**I) GRAZING PERMITTE:**

UTE TRIBAL LIVE STOCK ENTERPRISES  
FT. DUCHESNE UT.  
(801-722-2406)

**J) EAGLE NEST:**

NO DRILLING OR LOCATION CONSTRUCTION WILL BE ALLOWED PRIOR TO AUGUST 1, 1991 DUE TO THE EAGLE NEST WITHIN 1/2 MILE OF THE PROPOSED LOCATION.

## 12. LESSEES OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

### A) REPRESENTATIVE

NAME: WILLIAM A. RYAN  
ADDRESS: ROCKY MOUNTAIN CONSULTING  
3101 WEST 1790 SOUTH  
VERNAL UTAH 84078  
TELEPHONE NO.: 801-789-3983  
801-823-6152

ALL LEASE AND/OR UNIT OPERATIONS WILL BE CONDUCTED IN SUCH A MANNER THAT FULL COMPLIANCE IS MADE WITH ALL APPLICABLE LAWS, REGULATIONS, ONSHORE OIL AND GAS ORDERS, THE APPLICABLE LAWS, REGULATIONS, AND ANY APPLICABLE NOTICES TO LESSEES. THE OPERATOR IS FULLY RESPONSIBLE FOR THE ACTIONS OF HIS SUBCONTRACTORS. A COPY OF THESE CONDITIONS WILL BE FURNISHED TO THE FIELD REPRESENTATIVE TO INSURE COMPLIANCE.

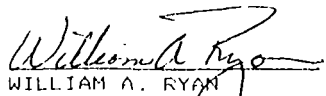
THIS DRILLING PERMIT WILL BE VALID FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. AFTER PERMIT TERMINATION, A NEW APPLICATION WILL BE FILED FOR APPROVAL FOR ANY FUTURE OPERATIONS.

### B) CERTIFICATION

I HEREBY CERTIFY THAT I, OR PERSONS UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE PROPOSED DRILL-SITE AND ACCESS ROUTE; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH PRESENTLY EXIST; THAT THE STATEMENT MADE IN THIS PLAN ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT; AND THAT THE WORK ASSOCIATED WITH THE OPERATION PROPOSED HEREIN WILL BE PERFORMED BY ZINKE & TRUMBO LTD. AND ITS CONTRACTORS AND SUB-CONTRACTORS IN CONFORMITY WITH THIS PLAN AND TERMS AND CONDITIONS WITH THIS PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED.

DATE

4/4/91

  
WILLIAM A. RYAN  
PETROLEUM ENGINEER  
ROCKY MOUNTAIN CONSULTING

## Self-Certification Statement

The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that Zinke & Trumbo LTD is considered to be the operator of the following well:

Well Z&T Ute Tribal 12-22  
NW1/4, SW1/4, Sec. 22, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3415  
Duchesne County, Utah

Well Z&T Ute Tribal 16-21  
SE1/4, SE1/4, Sec. 21, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3414  
Duchesne County, Utah

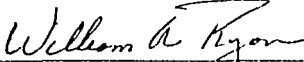
Well Z&T Ute Tribal 4-21  
NW1/4, NW1/4, Sec. 21, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3414  
Duchesne County, Utah

Well Z&T Ute Tribal 2-216  
NW1/4, NE1/4, Sec. 21, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3414  
Duchesne County, Utah

Well Z&T Ute Tribal 14-16  
SE1/4, SW1/4, Sec. 16, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3413  
Duchesne County, Utah

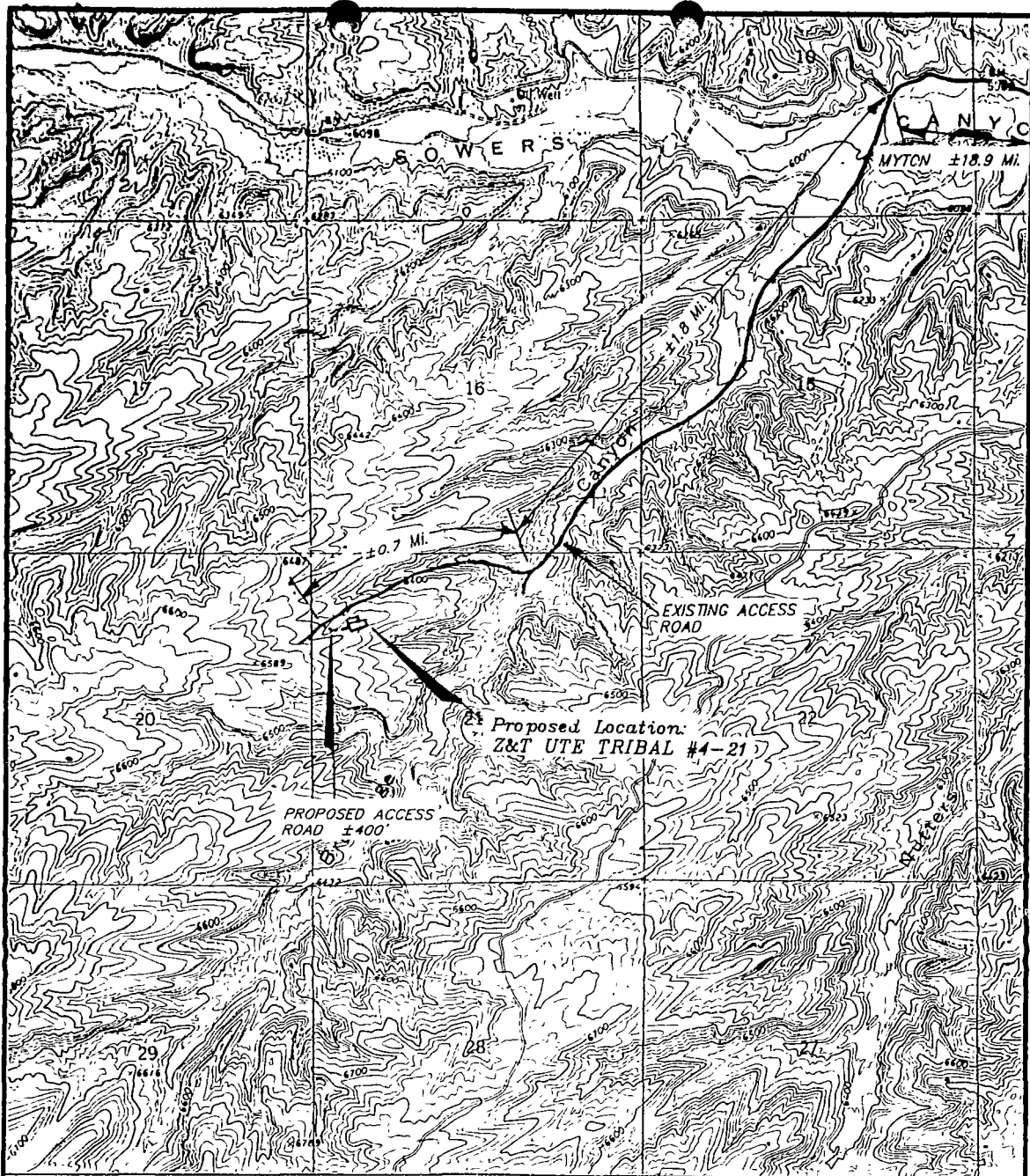
Well Z&T Ute Tribal 7-25  
SW1/4, NE1/4, Sec. 25, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3537  
Duchesne County, Utah

Zinke & Trumbo LTD is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands".

  
\_\_\_\_\_  
William A. Ryan  
Rocky Mountain Consulting  
3101 W. 1790 S.  
Vernal, Utah 84078  
801-789-3983  
801-823-6152







TOPOGRAPHIC  
MAP "B"

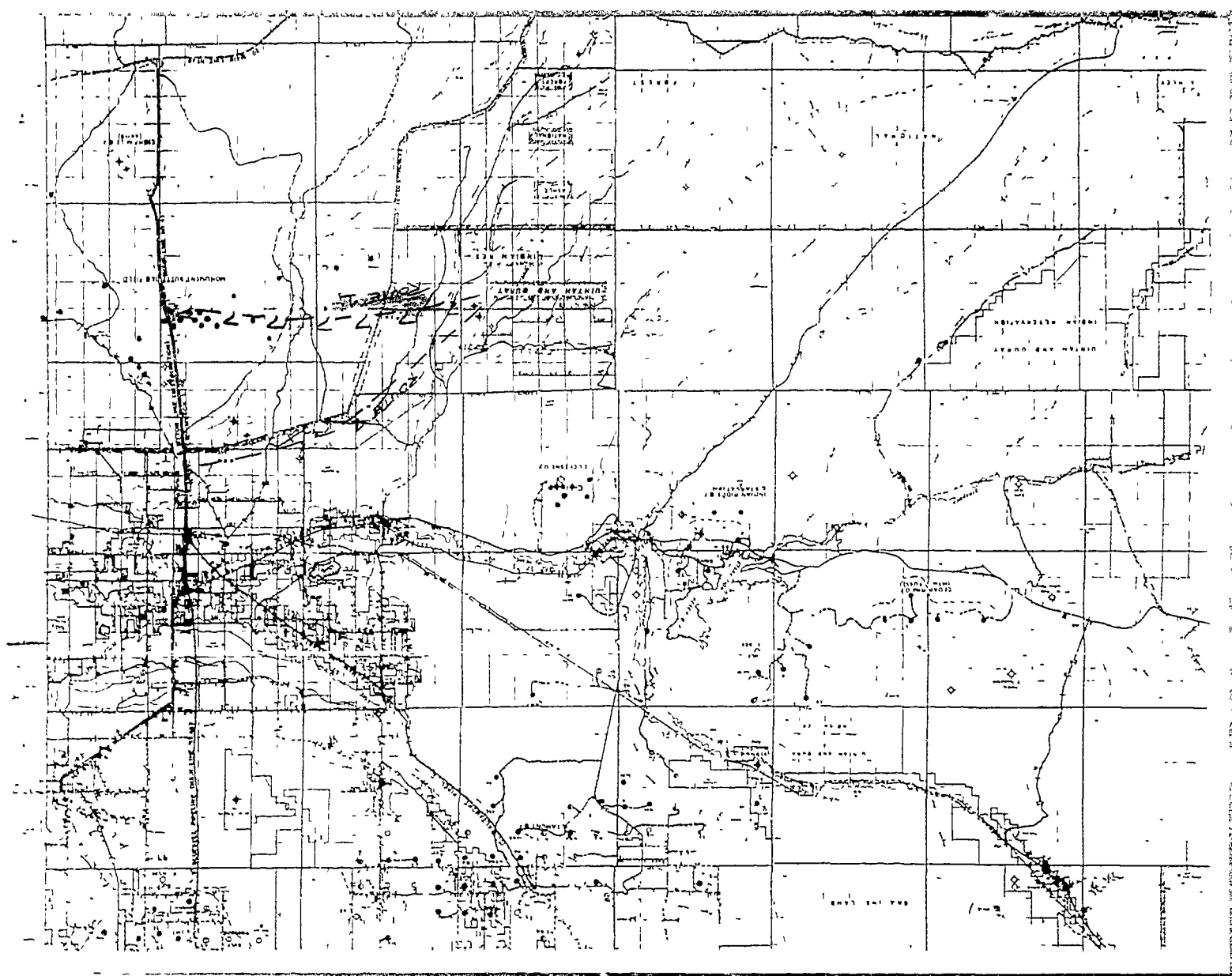
SCALE 1" = 2000'

DATE 2-15-91



ZINKE & TRUMBO, LTD.

Z&T UTE TRIBAL #4-21  
SECTION 21, T5S, R4W, U.S.B.&M.



OPERATOR Jerke Minerals Ltd # 7695 DATE 1 17 91  
WELL NAME 3 1/2" lateral 4 01  
SEC NW 1/4 T 55 R 4W COUNTY Duchene

43 013-31311  
API NUMBER

Unclon (2)  
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST  
WELL

☒ LEASE

☒ FIELD  
USBM

☒ POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

See plot for addl wells in sec 01

Water Permit

Exception Location

APPROVAL LETTER:

SPACING: ☐ R615-2-3 N/A  
UNIT

☐ R615-3-2

☐ N/A  
CAUSE NO. & DATE

☐ R615-3-3

STIPULATIONS

1- Needs water permit

cc BIA

April 23, 1991

Utah Division of Oil, Gas & Mining  
Att: Tammy Searing  
Three Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Request for spacing exception.  
Well 4-21 Sec. 21.T.5 S.,R.4 W.

RECEIVED

APR 25 1991

DIVISION OF  
OIL GAS & MINING

Gentlemen:

Zinke & Trumbo LTD respectfully requests a spacing exception  
for the following well:

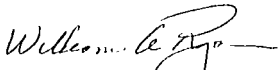
Z&T Ute Tribal 4-21  
Lease Ute 14-20-H63-3414  
Sec. 21, T.5 S., R.4 W.

Please see the attached location plat for the subject well.

The well has been staked in the unorthodox location due to  
topographic consideration. The location was determined to  
be the best sight when all factors were considered at the  
onsite inspection with the BLM, BIA, and Ute Tribe. Zinke &  
Trumbo LTD is the holder of the full 640 acres lease in  
Section 21, T.5 S., R.4 W.

If you require additional information please feel free to  
contact me at telephone number (801) 789-3993.

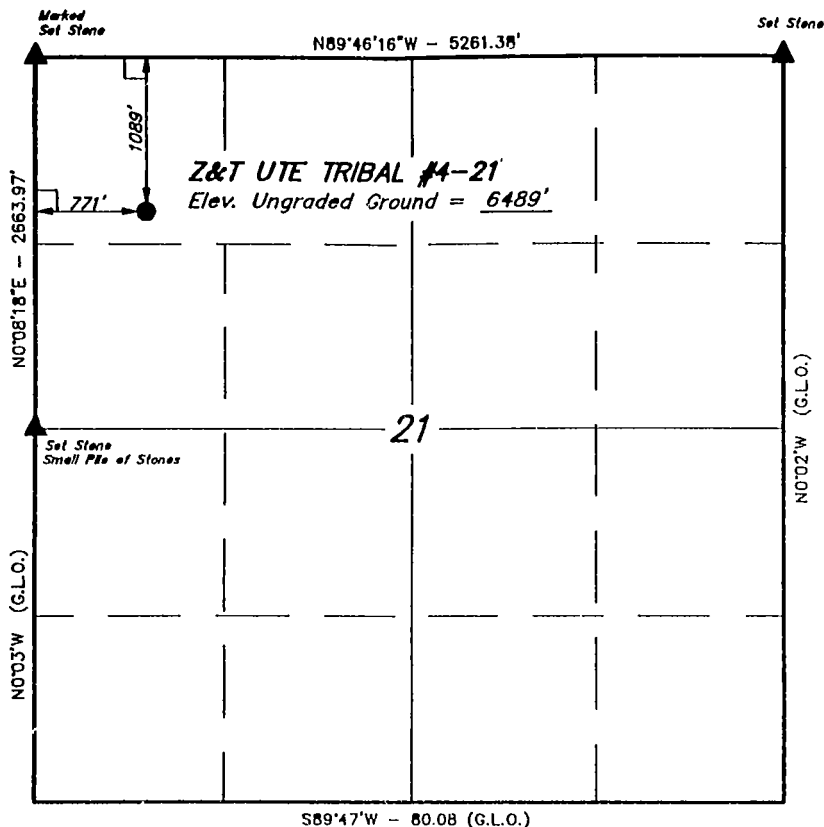
Yours Truly,



William A. Ryan  
Petroleum Engineer  
Rocky Mountain Consulting  
3101 West 1790 South  
Vernal, Utah 84078

cc: z&t

T5S, R4W, U.S.B.&M.



▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS IS THE WEST  
LINE OF THE SW 1/4 OF SECTION 16,  
T5S, R4W, U.S.B.&M. WHICH IS  
ASSUMED FROM G.L.O. INFORMATION  
TO BEAR N0°03'W

# ZINKE & TRUMBO, LTD.

Well location, Z&T UTE TRIBAL #4-21, located  
as shown in the NW 1/4 NW 1/4 of Section 21,  
T5S, R4W, U.S.B.&M. Duchesne County, Utah.

## BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NW 1/4 SW 1/4 OF SECTION  
21, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE  
SE QUADRANGLE, UTAH - DUCHESNE COUNTY, 7.5 MINUTE  
QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED  
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
SURVEY. SAID ELEVATION IS MARKED AS BEING 6098  
FEET.

RECEIVED

APR 25 1991

DIVISION OF  
OIL GAS & MINING



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Key*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX 1758 - 86 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-16-91
PARTY D.A. K.L. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER	FILE



Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center Suite 350  
Salt Lake City Utah 84100 1203  
801 538 5340

May 2 1991

Zinke & Trumbo, Ltd  
1202 East 33rd Street, Suite 100  
Tulsa, Oklahoma 74105

Gentlemen.

Re. Z&T Ute Tribal 4-21 Well, 1089 feet from the North line, 771 feet from the West line, NW NW, Section 21, Township 5 South, Range 4 West, Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3, subject to the following stipulation.

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann Section 73-3, Appropriation

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change
3. Submittal of the Report of Water Encountered During Drilling, Form 7
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318
5. Compliance with the requirements of Utah Admin. R. 615-3-20, Gas Flaring or Venting

Page 2  
Zinke & Trumbo, Ltd.  
Z&T Ute Tribal 4-21  
May 2, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31316.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
Bureau of Indian Affairs  
J. L. Thompson  
we14/1-2



UTAH  
NATURAL RESOURCE:  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, UT  
84180-1203, (801-538-5340)

Page 1 of 2

# MONTHLY OIL AND GAS PRODUCTION REPORT

AUG - 8 1991

Operator name and address:

• ZINKE & TRUMBO, LTD.  
1202 E. 33RD ST., #100  
TULSA OK 74105  
ATTN: WAYNE K. TAYLOR

SEP 04 1991

DIVISION OF  
OIL GAS & MINING

Utah Account No. N7295

Report Period (Month/Year) 7 / 91

Amended Report ☐

Well Name	API Number	Entity	Location	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
BC UTE TRIBAL 4-22	4301330755	02620	05S 04W 22	GRRV	30	400	766	8
S. BRUNDAGE UTE TRIBAL 1-29	4301330964	02621	05S 04W 29	GRRV	31	141	279	0
B C UTE TRIBAL #8-21	4301330825	08414	05S 04W 21	GRRV	31	752	4650	0
B.C. UTE TRIBAL 16-16	4301330841	09489	05S 04W 16	GRRV	31	496	1579	0
T.C. UTE TRIBAL 9-23X	4301330999	09720	05S 05W 23	GRRV	27	552	739	0
TABBY CYN UTE TRIBAL 1-25	4301330945	09722	05S 05W 25	GRRV	27	852	1975	0
S. COTTONWOOD RIDGE UTE TRIBAL 1-19	4301330933	09845	05S 04W 19	GRRV	27	902	1204	0
S BRUNDAGE CYN UTE TRIBAL 4-21	4301331131	09851	05S 04W 27	GRRV	31	1042	2149	10
S. COTTONWOOD RIDGE UTE TRIBAL 1-20	4301330966	09925	05S 04W 20	GRRV	29	388	796	0
UTE TRIBAL 5-13	4301331152	10421	05S 05W 13	GRRV	31	86	279	0
SOWERS CYN UTE TRIBAL #3-26	4301330955	10423	05S 05W 26	GRRV	31	257	1423	0
Z & T UTE TRIBAL 2-21	4301331280	11130	05S 04W 21	GRRV	31	678	4858	55
Z & T UTE TRIBAL 7-19	4301331282	11131	05S 04W 19	GRRV	31	1569	1643	50
TOTAL						8396	22,646	123

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete

Date

9/4/91

WILLIAM A. RYAN  
Authorized signature

Telephone (801) 789-0968





355 West North Temple 3 Triad Center Suite 350 Salt Lake City UT  
84180 1203 • (801) 538 5340

DOGM 50  
an equal opportunity emp

Page 2 of 2

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address

• ZINKE & TRUMBO, LTD  
1202 E. 33RD ST., #100  
TULSA OK 74105  
ATTN: WAYNE K TAYLOR

SEP 04 1991

Utah Account No N7295

Report Period (Month/Year) 7 / 91Amended Report ☐

# DIVISION OF OIL GAS & MINES

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
Z & T UTE TRIBAL 10-21			GRRV	31	339	1230	18
4301331283 11133 055 04W 21			GRRV	31	4587	3335	0
				TOTAL	4926	3565	18

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 9/4/91

WILLIAM A RYAN  
Authorized signature

Telephone (801) 789-0968

PLEASE COMPLETE FORMS IN BLACK INK

# ZINKE & TRUMBO, LTD

1202 EAST 33<sup>RD</sup> STREET • SUITE 100

TULSA OKLAHO 74105

ROBERT M ZINKE

1918 743 5096

DAVID B TRUMBO

FAX 1918 743 5159

September 26, 1991

10/02/91

OCT 02 1991

State of Utah  
Department of Natural Resources  
Division of Oil Gas and Mining  
Oil and Gas Conservation Division  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Mr. Ronald J. Firth  
Associate Director

Re: Z&T Brundage Canyon Field  
Casinghead Gas Venting Issue

Gentlemen:

2 Tulsa Jnl 2-21  
55-4W 2-216  
1-21  
10-21  
11-22  
Current  
N1295

On behalf of Zinke & Trumbo, Ltd., I want to thank you and Mr. Frank Mathews for meeting with Mr. Tom Concannon and me on September 24, 1991 regarding the above captioned field and the current status of our efforts to secure gas gathering facilities for the subject area.

As I explained, Zinke & Trumbo, Ltd. and its partners purchased these properties from Lomax Operating Company early last year. Immediately upon assumption of operations, we began attempting to obtain the installation of the necessary gas gathering facilities. This effort has involved the pursuit of many avenues including detailed and lengthy negotiations with Koch Hydrocarbon Company, Coors Energy Company, Sevco Pipeline Company, Questar Pipeline Company and the Ute Indian Tribe

As we discussed, the entirety of these producing properties are located on Ute Tribal Lands. This has presented a special and extraordinary set of circumstances which have resulted in additional delays. However, I believe that as a result of our discussions this past week with Mr. Rob Thompson, the Ute Tribal Attorney, and other tribal and BIA officials and representatives from Questar Pipeline Company that a economically acceptable arrangement is on the verge of being worked out to everyone's satisfaction. This arrangement would involve our installation of the necessary gathering facilities from the Brundage Canyon Field area to a mutually acceptable tap point on Questar's Mainline #47. The tap point would probably be located in the Monument

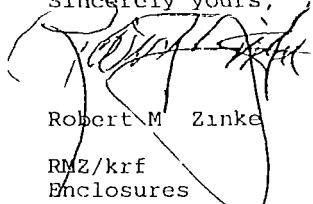
State of Utah  
September 26, 1991  
Page 2 of 2

Butte Field area. It is our intention to have said facilities in service no later than January 1, 1992. I have enclosed a map reflecting the preliminary route of this proposed gathering system. I also would invite you to contact the tribe's legal representative, Mr. Rob Thompson (303-444-2549) and/or the Director of Business Development for Questar Pipeline Company, Mr. Brice E. Bergquist (801-530-2033), in order to confirm the current status of our discussions and the subject project.

In light of all our efforts, as outlined above, and the complications of the situation, I respectfully request the continued patience of the State of Utah in regards to the venting of casinghead gas from the subject field. I feel any punitive action taken at this juncture, especially in the form of stringent gas flaring rule enforcement, would ultimately be detrimental to the successful outcome of this project. It would also be detrimental to the State of Utah, the royalty owners, and Zinke & Trumbo, Ltd. et al, via the reduction of revenues and could reduce the amount of total amount of the ultimate recoverable reserves. Zinke & Trumbo, Ltd. pledges its continued all out effort to secure the necessary facilities and to keep your office informed as to the status of our efforts.

If you have any questions regarding any aspect of this matter, please do not hesitate to contact me.

Sincerely yours,



Robert M. Zinke

RMZ/krf

Enclosures

cc. Working Interest Owners  
Whiteing & Thompson  
Attn. Mr. Rob Thompson  
Questar Pipeline Company  
Attn. Mr. Brice Bergquist



Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Deputy Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84182-1203  
(801) 538-5340

## UTAH DIVISION OF OIL, GAS AND MINING FACSIMILE TRANSMISSION COVER SHEET

DATE: 10-10-91  
FAX # 1-789-3634  
ATTN: Ed. Foresman  
COMPANY BLM  
FROM: Frank Matthews  
DEPARTMENT: DOGM  
NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 3

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

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